


Intermec

Product Profile

- Compact, industrial design
- Robust data collection
- 2.4 GHz or 802.11b 11 Mbps radios for wireless models
- Industry standard development and connectivity tools
- Flexible application environments



2480 SERIES STATIONARY COMPUTER

The 2480 Series Stationary Terminal delivers timely, accurate data for mission critical manufacturing systems. With a compact metal case, environmental sealing and power protection, the reliable 248X handles the most punishing industrial plants. It's ideal for work in process tracking, labor collection, and time and attendance applications.

The 2480 Series Stationary Terminal includes two ports for bar code input devices and a serial port to connect a printer or scale. An optional integrated badge scanner, digital input/output and two additional serial ports accommodate the most demanding data collection requirements.

Choose Ethernet, wireless or serial connections to host computers. With the 2.4 GHz and 802.11b wireless models, you can easily change configurations of manufacturing work cells. The 2480 Series supports client/server and terminal emulation host environments. It's also compatible with Intermec CrossBar® networks.

The 2480 Series Stationary Terminal is programmable using industry standard, Microsoft® C/C++. Using standard tools you can dramatically reduce development time and cost for creating shop floor solutions.



Physical Characteristics

Height: 24.4 cm (9.6")
Length: 27.2 cm (10.7"); 28.7 cm (11.3")
 with badge scanner
Depth: 9.9 cm (3.9")
Weight: 4.3 kg (9.5 lbs)

Environment

Operating temperature: -20° to 50°C
 (-4° to 122°F)
Storage temperature: -20° to 60°C
 (-4° to 140°F)
Humidity: Non-condensing (0 to 95% RH)
Sealing: Die cast aluminum case.
NEMA5/IP53 sealing for dust, moisture
 and splashing.

Power

Operating: 95 - 250 volts AC, 50/60 Hz
Power protection: Handles 1 second
 dropouts
Memory Backup: Rechargeable NiCad
 battery pack

Memory

RAM: 1MB Total
Non-volatile memory: 2MB; option for
 2MB additional, 4MB total
Extended Memory: 2MB Flash; 2MB or
 4MB SRAM

Displays

CGA compatible LCD with backlight
2480/85: 4 lines by 40 characters per line
2481/86: 12 lines by 40 characters per line
Display up to 24 lines

Keyboards

Alphanumeric: 59 key elastomeric; PC
 style QWERTY layout; 5 shiftable function
 keys
Oversized function/numeric: 35 key
 elastomeric; 10 separate function keys
Time and Attendance: 35 key membrane,
 10 separate function keys
Terminal Emulation: templates for IBM
 5250, IBM 3270 and ANSI/VT

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Input Ports

2 bar code input ports
Digital input/output: 4 optically isolated
 sense inputs; 4 two form C output relays,
 dry contacts
 External speaker connection

Bar Code Symbolologies

Code 39, 2 of 5, Interleaved 2 of 5, Coda-
 bar, UPC/EAN, Code 128, Code 11, Code
 93 and 93i, Plessey, MSI, Code 16K, PDF-
 417 supported using tethered scanner

Wired Data Communication

2480/81:
Ethernet: 10BaseT
Serial Ports: RS-232, RS-232/422/485

Integrated RF Module

2485/86 Models
Frequency Band: 2.4 GHz frequency
 band, actual frequencies in use vary by
 country
WLI Forum OpenAir
Type: Frequency Hopping Spread
 Spectrum
Data Rate: 1.6 Mbps, .8 Mbps fallback
Range*: From 1500+ ft (450+ m) to 500 ft
 (150 m) depending on environment

IEEE 802.11b Wi-Fi Certified

Type: Direct Sequence Spread Spectrum
Data Rate: 11/5.5/2/1 Mbps with Auto
 fallback for increased range
Range* at 1 Mbps: From 1750 ft (533 m)
 to 165 ft (50 m) depending on envi-
 ronment
Range* at 11 Mbps: From 525 ft (160
 m) to 80 ft (24 m) depending on envi-
 ronment
Security: Wired Equivalent Privacy (WEP)
 - 64 or 128 bit encryption
 * Unlimited range with roaming

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Host Support Direct Connect

Host Environment: IBM AS/400, S/390,
 Digital, HP, UNIX with Telnet Services
Connectivity: Ethernet, 2.4 GHz wireless,
 serial
Communication: TCP/IP, XMODEM/
 YMODEM
Terminal Emulation: TN 5250, TN 3270,
 VT/ANSI

Host Support via DCS 300 Server

Host Environment: IBM AS/400, S/390,
 Digital, HP, UNIX
Connectivity: 10/100 Mbps Ethernet,
 Token Ring, Twinax, Coax, SDLC
Communications: TCP/IP, SNA, TCP/IP
 socket pass through
Terminal Emulation: IBM SNA 5250, 3270,
 ANSI/VT 100, 220, 320, and Screen Map-
 ping
Web-based: dcBrowser™ for HTML ap-
 plications

Language Support

**English, German, French, Italian, Spanish,
 Portuguese, Chinese, Japanese, Korean
 and Thai.** Localized fonts, keypads and
 Getting Started Guide.
 Supports additional single and double
 byte fonts.

Badge Scanner

- Visible light badge scanner
- Infrared light badge scanner

Accessories

Wall or desk mount brackets, Program-
 mer's Software Kit (PSK), Adapter for third
 serial port (9 pin RS-232)

Regulatory Approvals

**UL Listed, UL 1950 and C22.2 No. 950,
 TÜV GS Licensed, EN 60950, FCC Part 15,
 Canada, RSS210 and ICES 003 Class B,
 EN 55022/CISPR 22, Class B, ETS 300 826,
 ETS 300 328, Compliant with European
 Directives CE Marked**

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 without prior notice.

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